

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMIERE

Report Number: P277809

Luminaire Tested: **203-SS-8LED4036-12-CS-LVR**

Test Date: 04/06/18

Test Information

Test Method: LM-79-08
Report Number: P277809
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-46)
Test Lab: INNOVATION CENTER(G2)
Test Date: 04/06/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED4036-12-CS-LVR
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 4000K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD SILVER, HEX CELL LOUVER
Light Source: (1) SORAA 4000K 90 CRI LED
SM16-07-36D-940-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

Summary

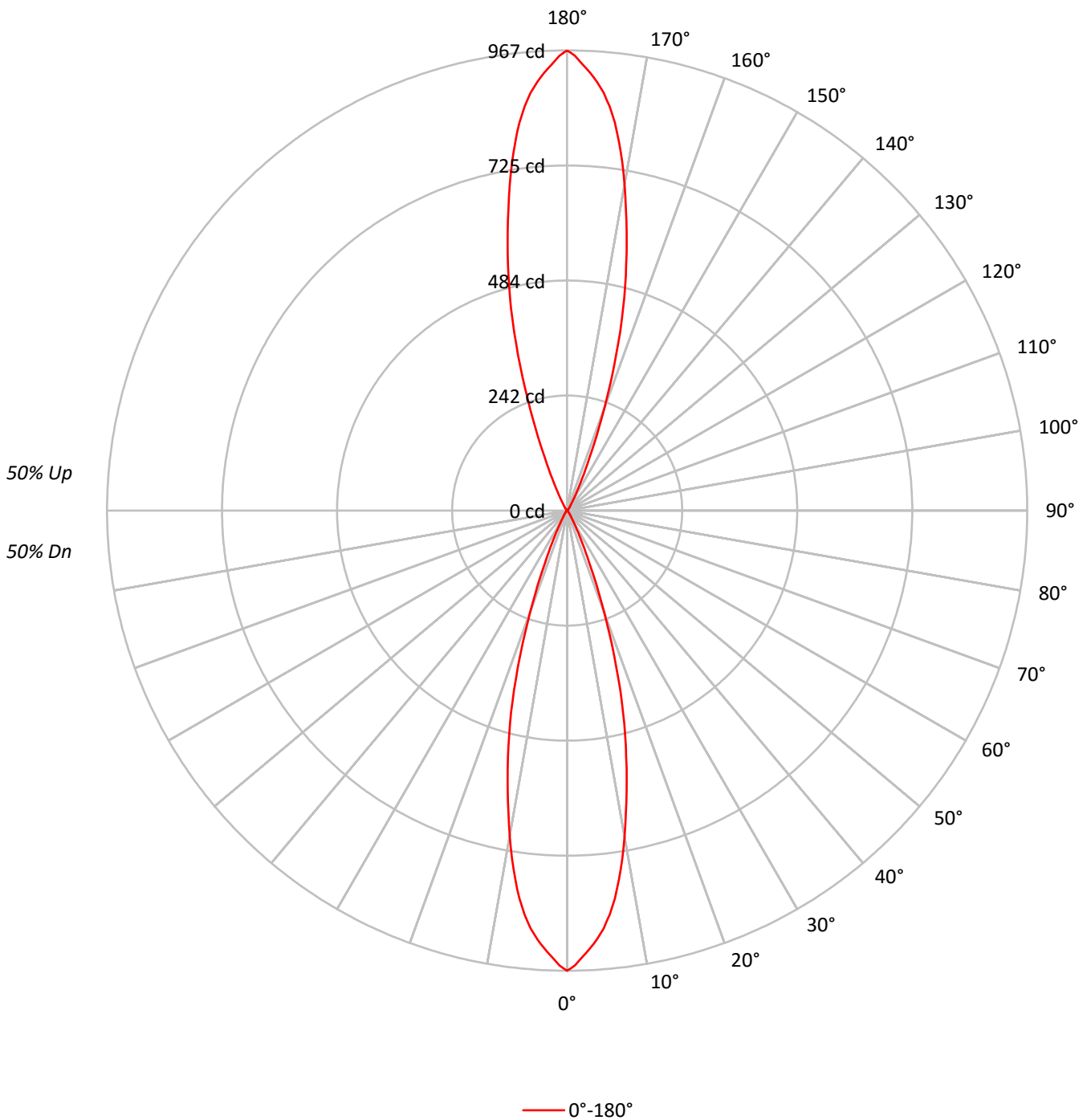
Lumens per Lamp: N/A
Luminaire Lumens: 503.6 lumens
Efficiency: N/A
Efficacy: 33.1 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.48
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 15.2
Input Voltage (V): 12.0
Input Current (Ain): 0.669
Voltage Rise (V): NR
Power Factor: 0.9904
Total Harmonic Distortion (THDi): 27.4%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 3 HR
Ambient Temperature (°C): 25.2
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																		
RC	80									70									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																			
RCR																																														
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50																												
1	101	98	95	92	93	91	88	86	78	76	75	65	65	64	54	54	53	48																												
2	95	90	85	82	88	84	80	77	72	70	68	62	61	59	52	52	51	47																												
3	90	83	78	74	83	78	73	70	68	65	63	59	57	55	51	50	49	45																												
4	85	77	72	67	79	73	68	64	64	61	58	56	54	52	49	48	47	43																												
5	80	72	66	62	75	68	63	59	61	57	54	54	51	50	47	46	45	42																												
6	76	68	62	58	72	64	59	56	58	54	51	52	49	47	46	44	43	41																												
7	73	64	58	54	68	61	56	52	55	51	49	50	47	45	45	43	42	39																												
8	69	60	55	51	65	58	53	49	53	49	46	48	45	43	43	41	40	38																												
9	66	57	52	48	63	55	50	47	50	47	44	46	43	42	42	40	39	37																												
10	64	55	49	46	60	53	48	45	48	45	42	44	42	40	41	39	38	36																												

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	477098
5°	436328
10°	348189
15°	237004
20°	118660
25°	40829
30°	12534
35°	6023
40°	3220
45°	2093
50°	768
55°	860
60°	987
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.2	15.5
10°-20°	123.5	24.5
20°-30°	39.5	7.8
30°-40°	6.8	1.3
40°-50°	2.3	0.5
50°-60°	0.9	0.2
60°-70°	0.6	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.6	0.1
120°-130°	0.9	0.2
130°-140°	2.3	0.5
140°-150°	6.8	1.3
150°-160°	39.5	7.8
160°-170°	123.5	24.5
170°-180°	78.2	15.5
0°-30°	241.2	47.9
0°-40°	248.0	49.2
0°-60°	251.2	49.9
0°-90°	251.8	50.0
90°-120°	0.6	0.1
90°-150°	10.6	2.1
90°-180°	252.0	50.0
0°-180°	503.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	967	
5°	881	78
15°	464	124
25°	75	39
35°	10	7
45°	3	2
55°	1	1
65°	0	1
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	1
125°	1	1
135°	3	2
145°	10	7
155°	75	39
165°	464	124
175°	881	78
180°	967	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	967
1°	956
2°	938
3°	921
4°	903
5°	881
6°	854
7°	822
8°	783
9°	741
10°	695
11°	647
12°	601
13°	555
14°	509
15°	464
16°	417
17°	367
18°	319
19°	271
20°	226
21°	186
22°	150
23°	120
24°	95
25°	75
26°	57
27°	45
28°	35
29°	27
30°	22
32.5°	14
35°	10
37.5°	7
40°	5
42.5°	4
45°	3
47.5°	2
50°	1
52.5°	1
55°	1
57.5°	1
60°	1
62.5°	1
65°	0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1
70°	0
72.5°	0
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	0
105°	0
107.5°	0
110°	0
112.5°	1
115°	0
117.5°	1
120°	1
122.5°	1
125°	1
127.5°	1
130°	1
132.5°	2
135°	3
137.5°	4
140°	5
142.5°	7
145°	10
147.5°	14
150°	22
151°	27
152°	35
153°	45
154°	57
155°	75
156°	95
157°	120
158°	150
159°	186
160°	226
161°	271



TEST NUMBER: P277809

CATALOG NUMBER: 203-SS-8LED4036-12-CS-LVR

CANDELA DISTRIBUTION (continued):

	0°
162°	319
163°	367
164°	417
165°	464
166°	509
167°	555
168°	601
169°	647
170°	695
171°	741
172°	783
173°	822
174°	854
175°	881
176°	903
177°	921
178°	938
179°	956
180°	967

(END OF REPORT)